



**US Army Corps
of Engineers®**

Engineer Research and
Development Center

Topographic Engineering Center

Description

The US Army Engineer Research and Development Center's (ERDC) Topographic Engineering Center (TEC) is located in Fort Belvoir, VA. Its mission is to provide the warfighter with superior knowledge of the battlefield, and to support the nation's civil and environmental initiatives through research, development, and the application of expertise in the topographic and related sciences.

Capabilities

Technical efforts are focused within four mission areas:

- Generation and Management of Geospatial Information – encompasses R&D technologies to create, build, disseminate, and manage geospatial information
- Information Analysis, Simulation and Visualization – concentrates on the exploitation, analysis, and display of geospatial information
- Operational Support – highlights the building and analysis of geospatial information for customers
- System Development, Scientific Integration, and Demonstration Support – builds and illustrates the use of geospatial systems and technologies
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TEC research areas include terrain analysis and reasoning; passive and active spectral signature analysis; photogrammetry; terrain visualization; battlefield and terrain-related simulation and modeling; precision surveying and mapping; image analysis; data management; geographic information systems; and data/image fusion.

In its operation mission, TEC serves as the Army's primary agent for terrain analysis, and the DoD's primary agent for the water resources database and water detection. It supports contingency plans, military operations, and support/stabilization operations for Army terrain teams, DoD, Army staff, major commands, and joint commands.

Point of Contact

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